

AMENDMENTS TO THE CLAIMS

This Listing of Claims will replace all prior versions, and listings, of Claims in the Application:

Listing of Claims:

Claim 1 (Currently Amended): A photocatalytic electric fan, comprising:

 a main body having a receiving tank;

 a motor fixedly placed in said receiving tank and having a rotation shaft;

 a fan blade fixed on said rotation shaft of said motor;

 a reticular lamp-fixing element fixedly joined on said main body; and

 a ~~lamp being~~ photocatalytic lamp, ~~said lamp being~~ positioned inside said main body by said reticular lamp-fixing element, ~~said lamp and~~ having at least a one photocatalytic lamp tube, a glass-fiber-cloth ~~being~~ sleeved outside said photocatalytic lamp tube, and said glass-fiber-cloth having a photocatalytic coating formed of titanium dioxide, said at least one photocatalytic lamp tube having a substantially annular shape;

an electric connection seat to which~~each~~ said lamp tube ~~being~~ is connected ~~to an electric connection seat~~, said electric connection seat ~~being~~ connected to a stabilizer, a starter, and a power source, and said stabilizer~~starter~~ and said starter ~~being~~ disposed in said main body;

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whereby the photocatalytic lamp will be able to clean air passing through the electric fan.

Claim 2 (Original): The photocatalytic electric fan as claimed in claim 1, wherein said reticular lamp-fixing element is a back net and a face net covering said blade, and lamps are disposed on said back net or said face net or both.

Claim 3 (Original): The photocatalytic electric fan as claimed in claim 1, wherein the wavelength of light emitted by said photocatalytic lamp tube is between 200~760 nm.

Claim 4 (Original): The photocatalytic electric fan as claimed in claim 1, wherein said photocatalytic lamp tube is an ultraviolet lamp tube.

Claim 5 (Canceled).

Claim 6 (Original): The photocatalytic electric fan as claimed in claim 1, wherein a pair of said photocatalytic lamp tubes are provided.

Claim 7 (Original): The photocatalytic electric fan as claimed in claim 1, wherein two sides of said main body are open, and a plurality of holder rods are disposed in said main body to connect a central lump, said receiving tank being disposed in said central lump, a back net being joined at an opening of said main body near the side of said fan blade, said reticular lamp-fixing element being said back net and/or the position of said central lump and said holder rods, said reticular lamp-fixing element being used to connect said lamp.

Claim 8 (Original): The photocatalytic electric fan as claimed in claim 7, wherein a face net is disposed at the other opening of said main body, and said face net is rotatable.

Claim 9 (Original): The photoelectric electric fan as claimed in claim 7, wherein a face net is disposed at the other opening of said main body, and said reticular lamp-fixing element is said face net, said reticular lamp-fixing element being used to connect said lamp.

Claim 10 (Original): The photocatalytic electric fan as claimed in claim 1, wherein said power source of said lamp is connected with a power source of said motor.

Claim 11 (Original): The photocatalytic electric fan as claimed in claim 1, wherein a switch is disposed on said power source of said lamp, and said switch is joined on said main body.

Claim 12 (Original): The photocatalytic electric fan as claimed in claim 1, wherein a plug is disposed on said power source of said lamp.

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Claim 13 (Original): The photocatalytic electric fan as claimed in claim 1, wherein said reticular lamp-fixing element has at least a lamp-positioning element, said lamp-positioning element being a panel of slightly curved shape, one end of said lamp-positioning element being fixed on said reticular lamp-fixing element, the other end thereof being hooked with said lamp tube of said lamp or at said electric connection seat.